



OKLAHOMA
Commerce

CLEAN POWER FOR A BRIGHT FUTURE

Oklahoma's Renewable Energy Sector

#2

**Lowest Cost of
Doing Business**

CNBC America's Best
States for Business, 2022

#4

**Net Electricity
Generation from
Renewable Sources**

Governing, 2022

61%

**More Energy
Produced Than
Consumed in
Oklahoma**

EIA

47%

**of Total Electricity
is Generated
from Renewable
Resources**

EIA

Oklahoma's energy expertise extends well beyond traditional energy to wind, solar and other renewable sources. With a centralized U.S. location in the wind and solar corridors and a diverse energy portfolio, Oklahoma is the ideal location for renewable energy operations

Hydrogen

In 2021, Oklahoma launched the Hydrogen Production, Transportation and Infrastructure Task Force. As the demand for low carbon hydrogen fuel grows, Oklahoma is poised to be a leader in the hydrogen economy.

Recent hydrogen projects in the state include Woodside Petroleum, LSB Industries and CF Industries/NextEra Energy.

Bioenergy

Oklahoma State University's Bio-based Products and Energy Center is enhancing productivity for potential feedstocks, improving conversion technologies, and optimizing the value of co-products and by-products.

Battery Technology & Storage

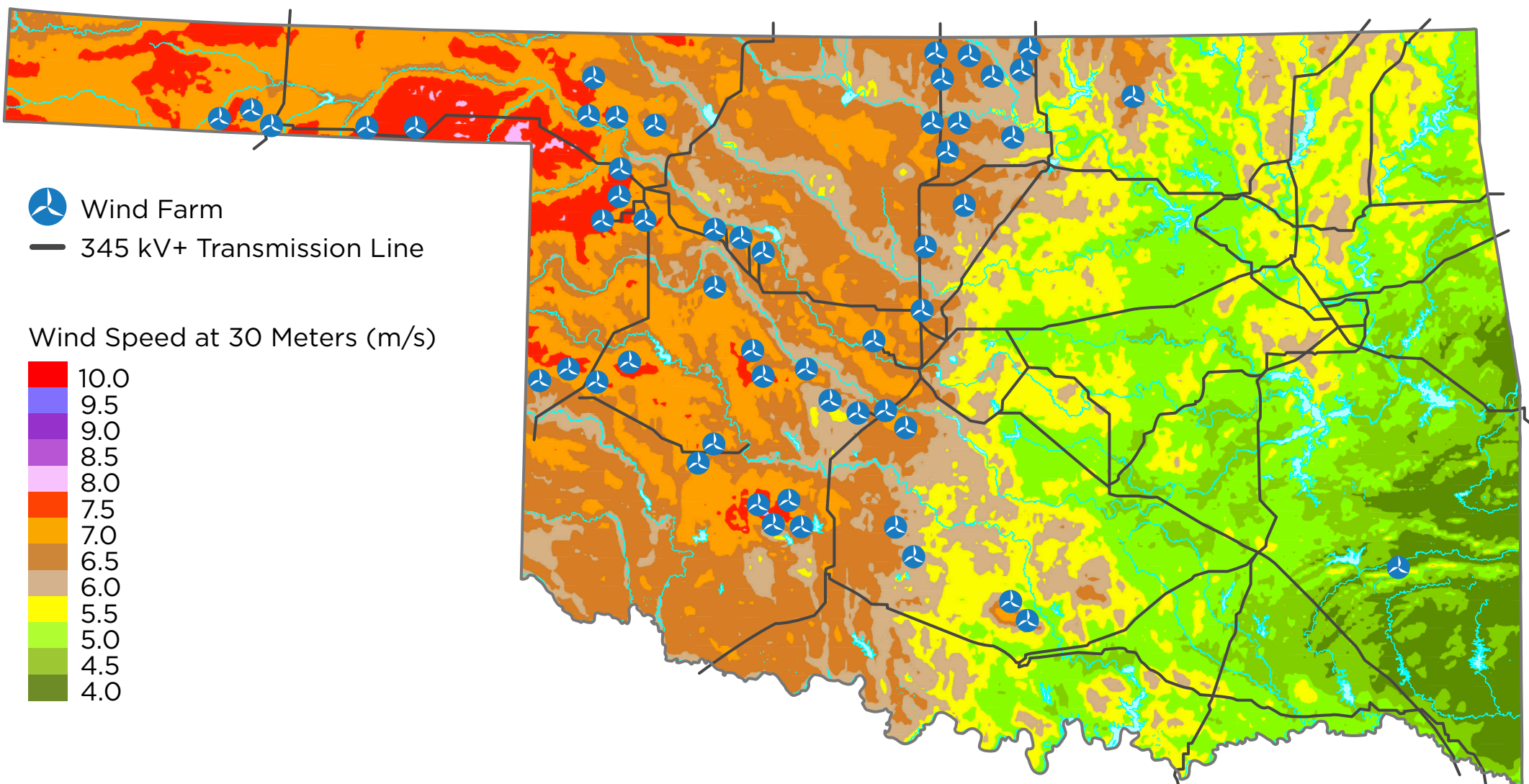
NextEra Energy Resources' Skeleton Creek Energy Center located in Garfield County, Okla., features a 200-megawatt, four-hour battery energy storage system.

Spiers New Technologies Inc. has revolutionized the automotive industry with battery "4R" services (repair, remanufacturing, refurbishing, and repurposing) for advanced battery packs used in hybrid and electric vehicles to optimize the life cycle of their battery pack inventory and maximize its value.



“From an energy development standpoint, we’ve got it all. Whether it’s more wind coming online, utility-scale solar projects, battery storage or hydrogen, it’s all good for Oklahoma.”

Mark Yates, VP
Advanced Energy Alliance



View more maps highlighting Oklahoma's renewable energy infrastructure and potential at okcommerce.gov/renewable

WIND ENERGY

- #3 in Wind Energy Installed Capacity (12,222 MW)
- One of the largest wind farms in North America – the Traverse Wind Energy Center at 998 MW
- Major Wind Companies in OK: American Electric Power/PSO, Apex Clean Energy, Bergey Windpower, Chermac Energy, EDF Renewables, Enel Green Power North America, Invenergy, NextEra, OG&E, Renew/ Takkion.

SOLAR ENERGY

- #6 in solar energy potential in the U.S.
- 3,000+ sunny hours per year – more than Florida, California and Texas in Oklahoma
- Enel North America plans to locate one of the largest solar photovoltaic (PV) cell and panel manufacturing facilities in the U.S. in Inola, Okla. Construction of the facility is planned to begin in the fall of 2023 with the first panel produced and available to the market by the end of 2024.

GEOTHERMAL

- The University of Oklahoma's Mewbourne College of Earth and Energy received a \$2.5 million grant from the U.S. Dept of Energy for a study to develop technologies to increase power production from geothermal wells while decreasing production costs.
- The Oklahoma state capital building is one of the largest buildings in the world to be heated and cooled by geothermal energy, resulting in savings of 25% in operating costs and zero CO2 emissions.

► TRAINING A RENEWABLE WORKFORCE

Oklahoma's nationally-recognized CareerTech centers offer specialized training that prepare students for work in various energy fields. CareerTech also works with companies to create customized programs to meet specific workforce needs.

Specialized renewable and sustainable energy degree programs are offered by Oklahoma State University (OSU), University of Oklahoma (OU), Oklahoma State University – Oklahoma City (OSU-OKC), Rogers State University (RSU), Tulsa Community College (TCC), and the University of Tulsa (TU).

Over the last five years, Oklahoma's colleges and universities have averaged more than 285 graduates in electrical and electronics engineering and more than 170 construction and engineering technology technicians each year.

TU is also home to the National Energy Policy Institute, a joint project between the university and the George Kaiser Family Foundation.

From OSU's honors from the EPA for green power leadership to TU's Alternative Energy Institute, Oklahoma's higher education institutions are focused on the next-generation energy research.

Oklahoma saw a 7% growth rate throughout the last 10 years in energy and engineering related programs, producing more than 32,500 graduates.

Enel Green Power North America is investing in growing a clean energy workforce in Oklahoma through a new training center and office in Oklahoma City.

► INCENTIVES

Quality Jobs Program

Cash payments of up to 5% of new payrolls for up to 10 years

- \$2.5 million annual payroll within 3 years of start date
- Create new full-time positions
- Pay new Oklahoma employees average wages above the state index wage

Investment/New Jobs Tax Credit Package

Provides growing manufacturers with a substantial tax credit based on either an investment in depreciable property or on the addition of full-time-equivalent employees engaged in manufacturing, processing or aircraft maintenance.

- Choice of tax credit based on investment or new employees
- 5-year state tax credit on the greater of 1% per year of investment in new depreciable property or \$500 per new job

Five-Year Ad Valorem Exemption

A qualifying company can be exempt for 5 years from ad valorem taxes upon completion of new or expanded facilities. This incentive is available for manufacturing, research and development, warehouse and distribution, and specific computer/data processing services, refineries or aircraft repair companies.

(Not available for wind energy companies as of 2023)

For more information, contact:

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